

Bearings

Question Paper

Level	GCSE
Subject	Maths
Exam Board	Edexcel GCSE
Topic	Bearings
Grade Level	Grade 4
Booklet	Question Paper

Time Allowed: 31 minutes

Score: /26

Percentage: /100

Grade Boundaries:

1.

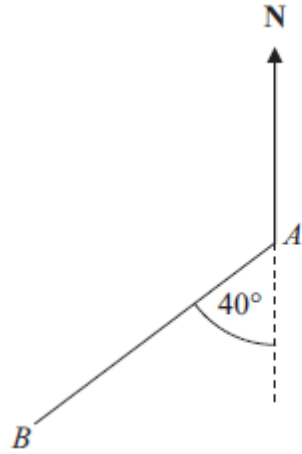


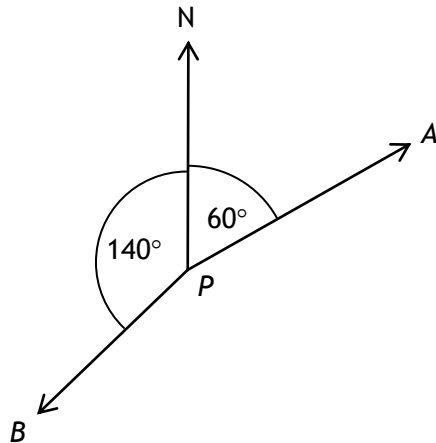
Diagram **NOT**
accurately drawn

Work out the bearing of *B* from *A*.

.....°

(2 marks)

2.



(a) Write down the bearing of *A* from *P*.

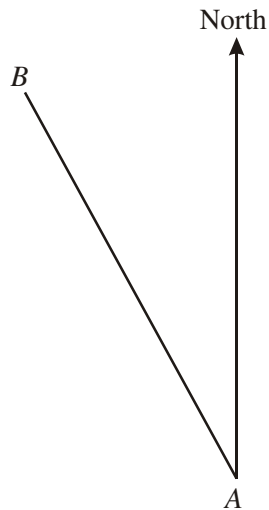
.....°

(b) Work out the bearing of *B* from *P*.

.....°

(3 marks)

3.



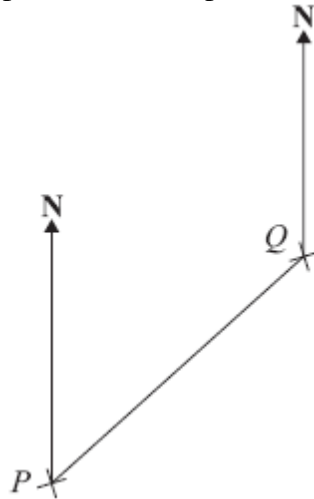
(a) Measure and write down the bearing of B from A .

.....^o
(1)

(b) On the diagram, draw a line on a bearing of 107° from A .

(1)
(2 marks)

4. The diagram shows the position of two ports P and Q on a map.



(a) Measure the bearing of Q from P .

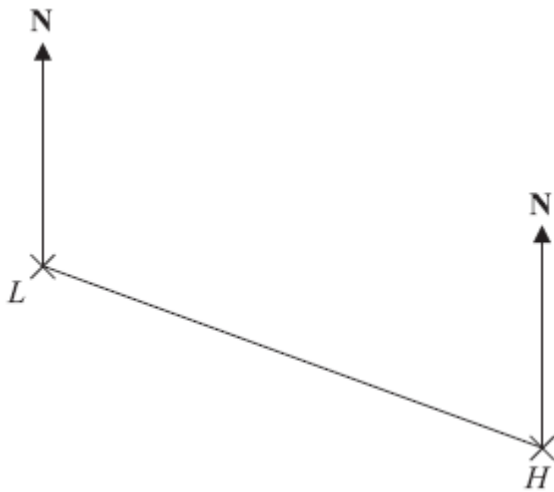
.....^o
(1)

A rock R is on a bearing of 150° from Q .
On the map R is 6 cm from Q .

(b) Mark the position of R with a cross (\times) and label it R .

(2)
(3 marks)

5. The diagram shows the position of a lighthouse L and a harbour H .



The scale of the diagram is 1 cm represents 5 km.

(a) Work out the real distance between L and H .

..... km
(1)

(b) Measure the bearing of H from L .

.....°
(1)

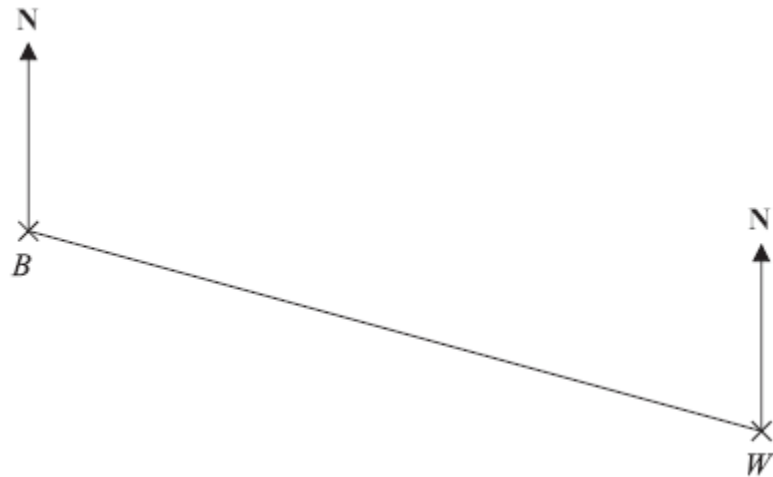
A boat B is 20 km from H on a bearing of 040°

(c) On the diagram, mark the position of boat B with a cross (\times).

Label it B .

(2)
(4 marks)

6. The diagram shows the positions of two villages, Beckhampton (*B*) and West Kennett (*W*).



Scale: 4 cm represents 1 km.

(a) Work out the real distance, in km, of Beckhampton from West Kennett.

..... km
(2)

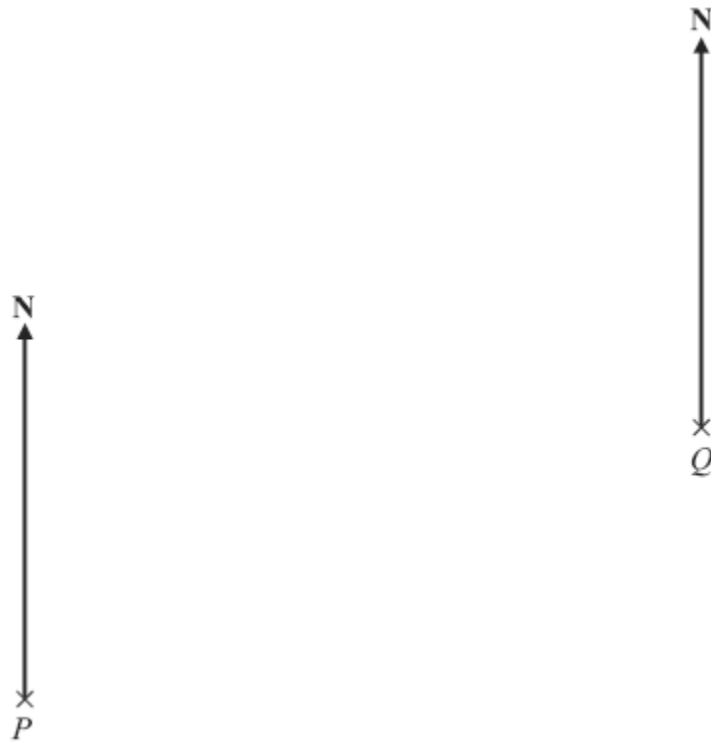
The village, Avebury (*A*), is on a bearing of 038° from Beckhampton.

On the diagram, *A* is 6 cm from *B*.

(b) On the diagram, mark *A* with a cross (\times).
Label the cross *A*.

(2)
(4 marks)

7. The diagram shows the position of two boats, P and Q .

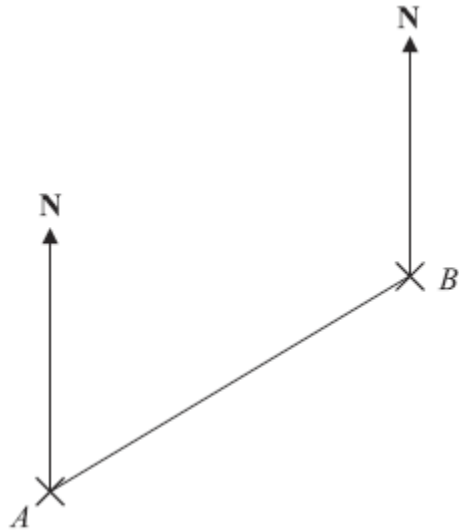


The bearing of a boat R from boat P is 060°
The bearing of boat R from boat Q is 310°

In the space above, draw an accurate diagram to show the position of boat R .
Mark the position of boat R with a cross (\times). Label it R .

(3 marks)

8. The diagram shows the positions of two telephone masts, A and B , on a map.



(a) Measure the bearing of B from A .

.....^o
(1)

Another mast C is on a bearing of 160° from B .

On the map, C is 4 cm from B .

(b) Mark the position of C with a cross (\times) and label it C .

(2)

(3 marks)

9. The bearing of a ship from a lighthouse is 050°

Work out the bearing of the lighthouse from the ship.

.....^o

(2 marks)
